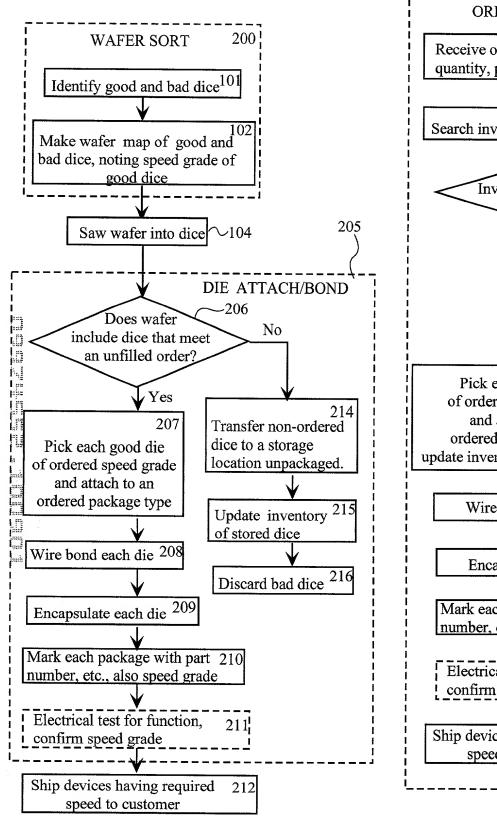


Fig. 1
Prior Art



ORDER PROCESSING 300 Receive order specifying 301 quantity, part, package, speed grade Search inventory of stored dice 303 No Inventory sufficient for order? Yes 304 Add orders not filled wafer planning list 305 Pick each good die of ordered speed grade and attach to an ordered package type, update inventory of stored dice Wire bond each die Encapsulate each die Mark each package with part number, etc., also speed grade Electrical test for function, confirm speed grade Ship devices having required 310 speed to customer

Fig. 2

Fig. 3

Computer Memory of Diced Graded Inventory

Wafer	Loc	Speed
36541	31x12	5
36541	31x16	6
36541	31x17	5
36541	31x18	6
36541	31x19	6
36541	31x20	7
36541	31x26	6
36541	32x06	6
36541	32x08	5
36541	32x09	5
36541	32x11	4
36541	32x13	4
36541	32x14	5
36541	32x16	6
36541	33x06	6
36541	33x10	
36541	33x16	6
36541	33x26	
36541	34x26	5
36542	11x06	6
36542	11x07	6
36542	11x09	7
36542	11x16	6
36542	11x17	6
36542	11x18	7
36542	11x19	
36542	12x01	8
36542	12x02	8
36542	12x04	7
36542	12x06	6

Computer Memory of Orders Not Yet Filled

Qty	Part	Sp	eed	Package
15	XCV100	00	6	PQ240
40	XCV100	00	7	FG256
25	XCV100	00	5	BG352

Fig. 5

Fig. 4